Climate Change and Human Health Literature Portal

National Institute of Environmental Health Sciences

Poster 31 Enhanced characterization of ambient air quality to study the link between climate variability, air quality, and health

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Book:	Air Pollution Modeling and its Application XVIII
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Abstract:

The work presented in this paper is part of a larger study whose objective it is to analyze the link between climate variability, air quality, and health over New York State and surrounding areas. The specific aims of the project are to: (1) develop fine-scale gridded maps of hourly surface weather, ozone, and particulate matter (PM) over New York State over the 15-year period 1988-2002 using observations integrated with simulations from a photochemical modeling system, (2) analyze the relationship between climate variability and episodes of extreme PM, ozone, and heat, and (3) measure the independent and joint effects of air quality and weather on acute mortality and hospitalization risks from 1988 to 2002.

Source:

http://www.elsevier.com/books/air-pollution-modeling-and-its-application-xviii/borrego/978-0-444-52987-9

Resource Description

Exposure : ⊠

weather or climate related pathway by which climate change affects health

 Air Pollution, Temperature

   Air Pollution: Interaction with Temperature, Ozone, Particulate Matter

   Temperature: Fluctuations

Geographic Feature: ⊠

resource focuses on specific type of geography

 None or Unspecified

Geographic Location: ⊠

resource focuses on specific location

 United States

Health Impact: ⊠

☐

specification of health effect or disease related to climate change exposure

Health Outcome Unspecified

Resource Type: ⊠

format or standard characteristic of resource

Research Article

Timescale: ⊠

time period studied

Time Scale Unspecified